

# **TITLE: KNITTING PROCESS FOR FABRIC CURTAIN WITH TRIMMING**

## **BACKGROUND OF THE INVENTION**

### **(a) Field of the Invention**

5       The present invention is related to a knitting process for a fabric curtain with trimming, and more particularly, to a fabric curtain including door curtain, window curtain and tablecloth with a trimming giving additional value of the merchandise.

### **10       (b) Description of the Prior Art:**

      Usually, fabric (including mesh fabric) or shutters are generally available in the market for keeping off the sunlight. However, for the fabric curtain, it is usually available in a whole piece of fabric or comprised of multiple stripes in  
15 a conventional style. If a trimming is desired, it must be sawn to the existing curtain to result in additional process and increased production cost.

## **SUMMARY OF THE INVENTION**

20       The primary purpose of the present invention is to provide a new knitting process of a fabric curtain integrated with a trimming. To achieve the purpose, a knitting machine is used to weave for a fabric section in given length in the construction of a preset numbers of warp and weft followed with another section  
25 in cable stitch pattern interwoven by warp and weft into multiple braids.

      Another purpose of the present invention is to provide a new knitting process of a fabric curtain integrated with a trimming. The trimming comprised of multiple braids is made  
30 in a given length for cables gathered in multiple braids in

various curvatures to demonstrate diversified and versatile results.

#### **BRIEF DESCRIPTION OF THE DRAWINGS**

5        Fig. 1 is a schematic view showing a construction of the present invention.

      Fig. 2 is a schematic view of a fragment of the present invention.

      Fig. 3 is a magnified view of a local part of the fragment  
10    of the present invention.

      Fig. 4 is a view showing a construction of a fabric curtain of the present invention.

      Fig. 5 is a magnified view of a local part taken from Fig.  
4.

15       Fig. 6 is a schematic view of a preferred embodiment of the present invention.

      Fig. 7 is a schematic view of another preferred embodiment of the present invention.

#### **DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS**

20       Referring to Fig. 1 for a construction of a fabric curtain of the present invention, Fig. 2 for a schematic view of having a fabric curtain 1 made into a stripe, and Fig. 3, for a magnified view of the stripe of the fabric curtain 1, the fabric curtain 1 is essentially knitted using a knitting machine by a preset  
25    numbers of warp 2 and weft 3 into a primary fabric section 4 in a given length. Within, each warp 2 and weft 3 are interwoven in the cable stitch pattern into a braid 6 and multiple braids 6 form a trimming 5.

      Fig. 4 shows a construction of a preferred embodiment of  
30    the present invention and Fig. 5 is a magnified view of Fig.

4. As illustrated in Fig. 5, from left to right of the entire curtain, a head area A, a middle area B and a tail area C are respectively circled to show the lateral band area where the fabric section 4 meets the trimming 5.

5        In the present invention, an ordinary knitting machine and a computerized knitting machine are used. The former is used only for the making of a shorter, and the latter, a longer fabric curtain.

      As illustrated in Figs. 4 and 5, the knitting process of  
10    the present invention involves first the preparation of multiple warps 2 longitudinally in parallel and wefts 3 laterally arranged in preset numbers. Firstly, the warps 2 are knitted into multiple loops in series, wherein each warp 2 is respectively knitted with at least two wefts 3 and the first  
15    weft 31 and a final weft 32 are knitted from top to bottom in a fashion of the figure "8" into a first warp 21 and a final warp 22. Secondly, those wefts 3 are continuously and alternatively interwoven though those warps 2 either to the right or left until the fabric section 4 in a preset length  
20    is attained; finally starting from the bottom of the fabric section 4, those wefts 3 are in sequence knitted by passing through the warps 2 into multiple braids 6 to form the trimming 5 as indicated by those areas A, B, and C in Fig. 5.

      Accordingly, the fabric curtain 1 of the present invention  
25    is completed. Now referring to Figs. 6 and 7 for two preferred embodiments of the present invention. For producing the fabric curtain 1 according to customer specification, there is no limits to the width W or the length L of the fabric curtain 1, and the length L of the fabric section 4 or that of the braids  
30    6 may vary as required. Therefore, the style of the fabric

curtain 1 can be diversified. For example, those braids 6 may be made into corrugated, flushed, or serrated form. Besides, yarns of different materials may be used for the present invention, namely, natural yarns including cotton, linen, and silk, or synthetic yarns.

As described above, the present invention is not characterized by the fabric section 4; instead, it is characterized by those multiple braids 6 knitted below the fabric section 4. The cable stitch for those braids 6 allows them to given more creative and variable styles for industrial applications. However, it should be noted that those preferred embodiments described above of the present invention does not in any way limit the scope of the present invention. Any equivalent change and/or modification made to that taught in the present invention shall be deemed as falling within the scope of the claims claimed in the present invention.